

**Office Memorandum • UNITED STATES GOVERNMENT**

TO : Operations Staff, SI  
Attn: [REDACTED]  
FROM : Chief, P&E Division, SI  
SUBJECT: Research Projects [REDACTED]

DATE: 9 May 1952

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1. In connection with the overall review of [REDACTED] for FY 1953, four research projects are submitted for general consideration. These are:

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a. Prediction Project - This project <sup>would be designed</sup> is to meet the urgent need of the intelligence community for a reliable basis for forward estimates of the Soviet potential in scientific and technological developments directly applicable to the USSR military potential. To accomplish this, it is proposed that a systematic study be made of the known Soviet scientific and technological trends and capabilities in order to evolve the basic intelligence principles, concepts, procedures and methods required to determine the future military and technological developments of the USSR. *(Tab 18)*

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*INS.* There is no project of this nature in existence at present, although some studies are being conducted by the Rand Corporation in the economic field. [REDACTED]

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c. Mechanical Translation - This project is in the nature of extension and supplement to the Perry's project. It is proposed to design and construct an automatic mechanical translation machine based on the principle that a limited vocabulary, both basic and technical, could supply 95% or better of seriation translation. Such a translation machine, if available, would resolve the most important bottleneck of the intelligence community, namely translation of foreign documents in the absence of adequate cadres of qualified translators. *(Tab 20)*

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(Tab 21)

d. Significant Trends in Soviet Mathematics - In view of the recognized Soviet strength in the field of mathematics and importance of this in scientific research and development, it is proposed to establish a project to determine the significant trends in Soviet mathematics and their applicability to such critical phases of research, development and design as atomic energy, cosmic rays, computers, telemetering, and other physics and electronics fields.

No project of this nature is in existence elsewhere and no adequate facilities for such a project are available within CIA or within other intelligence agencies.



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